

Converting Colors

XYZ(35.9175, 49.1915, 58.3334)

Have a look what the booklet for
XYZ(35.9175, 49.1915, 58.3334)
contains.

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Color

**XYZ(35.8054, 49.0489,
58.0323)**

Conversions

Conversions Part 1

Format	Color
Hex	60CBC1
RGB	96, 203, 193
RGB Percent	38%, 80%, 76%
CMY	0.6235, 0.2039, 0.2431
CMYK	0.53, 0.00, 0.05, 0.20
HSL	174°, 51%, 59%
HSV	174°, 53%, 80%
XYZ	35.8054, 49.0489, 58.0323
YIQ	169.8670, -60.5620, -25.7940

Conversions

Conversions Part 2

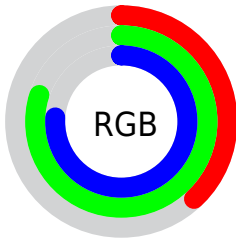
Format	Color
RYB	96, 152, 203
Decimal	6343617
CIELab	75.48, -33.21, -4.43
CIELCh	75, 33.501, 187.597
Yxy	49.0489, 0.2506, 0.3433
Android (android.graphics.Color)	4284533697 (0xFF60CBC1)
YUV	169.8670, 11.4046, -64.7814
Hunter-Lab	70.0349, -31.3029, -0.1044

Details

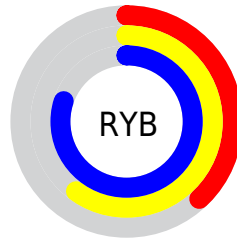
The XYZ color **35.8054, 49.0489, 58.0323** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.4146, 22.1042, 16.2481**, and the grayscale version is **38.1101, 40.0948, 43.6632**.

A 20% lighter version of the original color is **66.1853, 85.2296, 102.5852**, and **15.7755, 23.3063, 28.4780** is the 20% darker color. If you saturate the color by 10%, you get **33.7291, 48.0040, 56.8381**, and if you desaturate by 10%, it is **38.4386, 50.3829, 59.2689**.

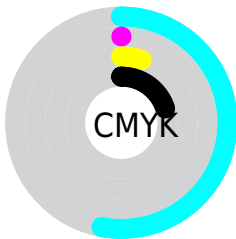
Distribution



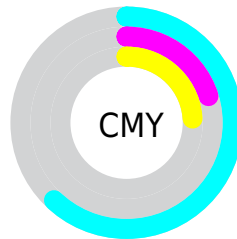
- Red (38%)
- Green (80%)
- Blue (76%)



- Red (38%)
- Yellow (60%)
- Blue (80%)



- Cyan (53%)
- Magenta (0%)
- Yellow (5%)
- Black (20%)





- Cyan (62%)
- Magenta (20%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8054, 49.0489, 58.0323 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 35.8054, 49.0489, 58.0323 by changing the saturation by 10% instead.


 35.8054, 49.0489,
58.0323


 35.8054, 49.0489,
58.0323


319.5553,
382.9348, 434.9079


 24.4534, 34.6583,
41.4197


 68.0574, 88.7641,
103.4851


 15.7968, 23.3998,
28.3250


 89.6881, 114.8574,
133.1625

 9.4704, 14.8890,
18.3297


 115.4758,
145.6204, 168.0319

 5.1088, 8.7415,
11.0150

 145.7857,
181.4376, 208.5118

 2.3467, 4.5730,
5.9627

180.9832,
222.6932, 255.0208

 0.8184, 1.9990,
2.7540

221.4338,

 0.0000, 0.6069,

269.7716, 307.9775

0.9704

267.5027,
323.0574, 367.8003

■ 0.0000, 0.0000,
0.0000

■ 35.8054, 49.0489,
58.0323

■ 35.8054, 49.0489,
58.0323

■ 33.7291, 48.0040,
56.8381

■ 38.4386, 50.3829,
59.2689

■ 32.1622, 47.2202,
55.6808

■ 41.6633, 52.0204,
60.5463

■ 31.0561, 46.6737,
54.5592

■ 45.5162, 53.9814,
61.8674

■ 30.3510, 46.3335,
53.4704

■ 50.0297, 56.2826,
63.2337

■ 30.0113, 46.1753,
52.6934

■ 55.2341, 58.9397,
64.6468

■ 61.1578, 61.9673,
66.1080

■ 67.8276, 65.3791,
67.6186

■ 74.0044, 68.5365,
69.1206

■ 74.2396, 68.6306,
70.3592

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.4742, 49.0489, 41.4578



35.8054, 49.0489, 58.0323



37.8243, 49.0489, 76.9746

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



35.8054, 49.0489, 58.0323



54.2513, 49.0489, 85.1612



51.2964, 49.0489, 27.7177

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



35.8054, 49.0489, 58.0323



31.4146, 22.1042, 16.2481

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



56.6822, 49.0489, 35.2181



35.8054, 49.0489, 58.0323



58.4906, 49.0489, 67.4539

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.8054, 49.0489, 58.0323



48.2081, 49.0489, 94.7379



59.4174, 49.0489, 49.0322



45.0662, 49.0489, 26.2775

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.8054, 49.0489, 58.0323



40.5375, 49.0489, 87.5983



59.4174, 49.0489, 49.0322



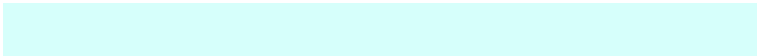
53.2813, 49.0489, 29.5185

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



35.8068, 49.0508, 58.0334



80.9919, 92.8230, 105.0686



29.4961, 46.6656, 18.5201



16.9960, 19.6948, 22.3867



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.8068, 49.0508, 58.0334



56.1377, 80.2085, 94.9478



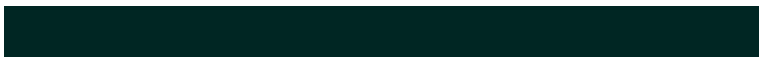
28.2103, 32.0113, 61.1940



11.4963, 12.7083, 14.1709



19.1165, 29.3919, 33.6281



0.9997, 1.5217, 1.8059

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



31.4146, 22.1042, 16.2481



48.0540, 30.4398, 17.9146



35.9453, 31.9501, 15.3398



11.2542, 11.2304, 11.8733



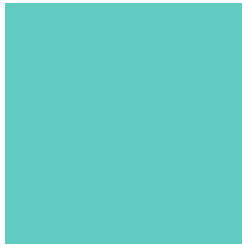
15.7633, 8.1159, 1.2063



0.8282, 0.4247, 0.1410

Previews

White Background



This preview shows how the XYZ color 35.8054, 49.0489, 58.0323 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 35.8054, 49.0489, 58.0323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

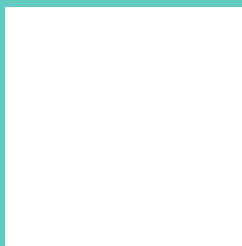
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8054, 49.0489, 58.0323

Background



This preview shows how black text looks on a background with the XYZ color 35.8054, 49.0489, 58.0323.

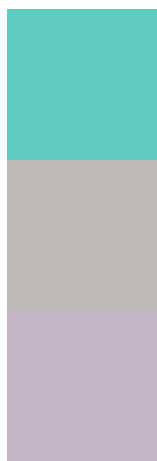


This preview shows how white text looks on a background with the XYZ color 35.8054, 49.0489,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

35.8054, 49.0489, 58.0323

Protanopia

46.5703, 48.4772, 51.1585

Deuteranopia

49.3391, 48.1877, 60.1268



Tritanopia

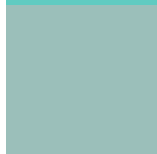
38.7579, 49.2095, 72.4214

Trichromacy



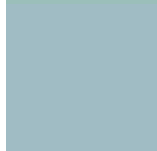
Original Color

35.8054, 49.0489, 58.0323



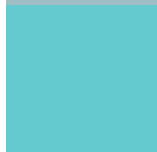
Protanomaly

41.0113, 47.7753, 53.5144



Deuteranomaly

42.4442, 47.4255, 59.1415



Tritanomaly

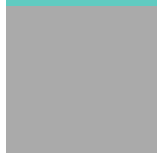
37.6386, 49.0941, 67.1668

Monochromacy



Original Color

35.8054, 49.0489, 58.0323



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

36.0915, 42.5099, 48.4225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8054, 49.0489, 58.0323 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(96, 203, 193)` looks like.

```
.text, #text, p{  
    color:rgb(96, 203, 193)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(96, 203, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 203, 193) }
```

Border

The CSS property to change the border of an element to XYZ 35.8054, 49.0489, 58.0323 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 203, 193) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(96, 203, 193) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(96, 203, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 203, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 203, 193);  
box-shadow:4px 4px 4px 4px rgb(96, 203,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8054, 49.0489, 58.0323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 203, 193) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(96, 203,  
193) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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